

HI-PURE LABORATORIES
HOBART WELDERS SALES & SERVICE
20 E. Sycamore St. Ph. 2-4088
EVANSVILLE 9, INDIANA



Hobart

presents a complete line

of arc welders,

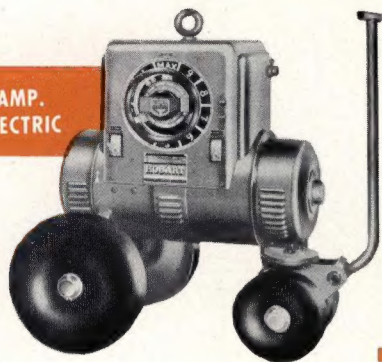
electrodes and

accessories

HOBART electric drive arc welders

Hobart Electric Drive Direct Current Arc Welders are designed primarily for production, maintenance and repair welding in large and small manufacturing plants, but are used to advantage in many other shops and plants having 2 or 3 phase current. Standard machine is A.C. Motor Wound for 2 or 3 phase, 60 cycles, either 220/440 volts or for 550 volts A.C. Available with 50 or 25 cycle motor at additional charge. Available with D.C. motor for 115 or 230 volts and for 440 or 550 volts at additional charge.

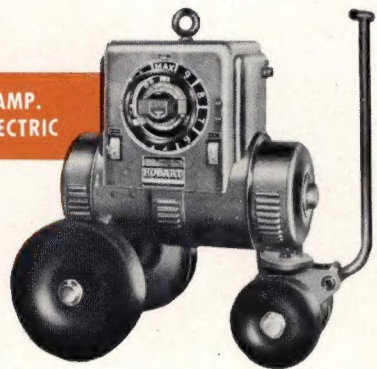
150 AMP. ELECTRIC



150 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for fabricating sheet metal, light angles, channels, etc. Also popular with garages for repairing cracked motor blocks and for other automotive shop repair work. Operators experienced in light gauge welding have no difficulty when welding on 20 or 22 gauge with this machine, while experts have successfully welded metal as light as 24 or 26 gauge in certain special applications.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-150-S	Stationary	7.5 HP	1750	150	30	4.5	15 to 200	32"	16 1/8"	30"	518
MR-150-P	Portable	7.5 HP	1750	150	30	4.5	15 to 200	35"	24"	41"	623

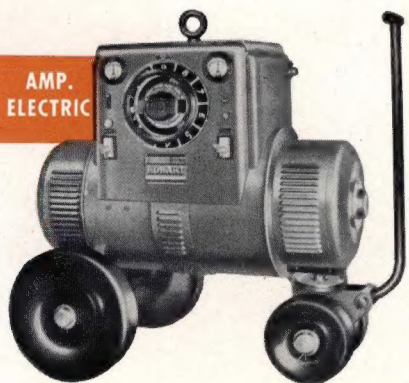
200 AMP. ELECTRIC



200 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for light to medium duty welding. Excellent for all fabrication purposes, sturdy and rugged enough to stand the gaff of continuous operation on light or medium production work. Its liberal design and conservative rating lets you do heavier welding work for limited periods of time. It has the same features as the larger Hobart electric drive welders including Multi-Range and Remote Control.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-200-S	Stationary	15 HP	1750	200	40	8	40 to 300	37"	19 1/2"	31 1/4"	720
MR-200-P	Portable	15 HP	1750	200	40	8	40 to 300	39"	24"	42"	825

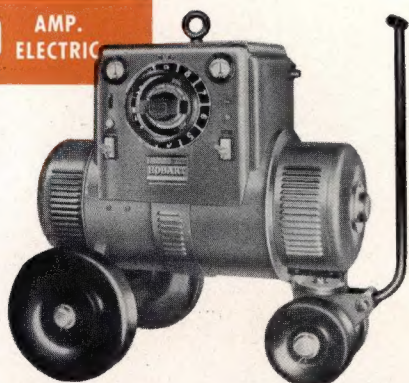
300 AMP. ELECTRIC



300 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for average welding requirements and is being used in thousands of plants for production, maintenance, repair, tool room work and all general shop welding. Its liberal design and conservative rating lets you do heavy duty welding for limited periods of time. This welder should be your choice for 9 out of 10 production welding jobs if you want superior performance and true economy.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-300-S	Stationary	20 HP	1750	300	40	12	50 to 400	41 1/4"	20 3/4"	33"	935
MR-300-P	Portable	20 HP	1750	300	40	12	50 to 400	44"	27"	44"	1040

400 AMP. ELECTRIC



400 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for heavy duty welding, and specially outstanding for large capacity and wide range. In fact, many users find the Hobart 400 ampere machine ample for work they used to consider called for a 600 ampere welder. The 400 ampere size is used extensively in heavy structural work, fabricating heavy machine parts, heavy pipe and tank welding and, in some cases, for cutting scrap and cast iron.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-405-S	Stationary	25 HP	1750	400	40	16	60 to 600	43"	24"	36 1/2"	1235
MR-405-P	Portable	25 HP	1750	400	40	16	60 to 600	47 1/2"	27"	37 1/2"	1345

Multi-Range Dual Control and Remote Control are standard equipment on all Hobart electric drive arc welders. The large wheel on the front of the control panel provides 10 overlapping ranges of welding current, while the volt-amp adjuster located inside the wheel provides 100 steps of fine heat adjustment . . . a total of 1000 combinations of welding heat without a single dead spot. The volt-amp adjuster is removed and connected by ordinary lamp cord extension for remote control use when the job is a great distance from the machine.

HOBART electric drive arc welders

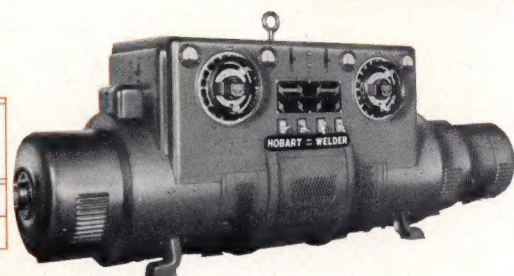
600 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for extra heavy duty manual and automatic welding. In automatic welding, the welder must furnish power for the motor operating the automatic head, for the motor operating the handling fixtures, and for the welding arc. In addition, this welder is ideal for heavy duty manual welding and for heavy duty scrap cutting with carbon or shielded metallic arc. Also, for salvaging heavy castings.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-600-S	Stationary	40 HP	1750	600	40	24	70 to 800	51"	23 3/8"	36 1/8"	1650
MR-600-P	Portable	40 HP	1750	600	40	24	70 to 800	54 1/4"	33"	47"	1760



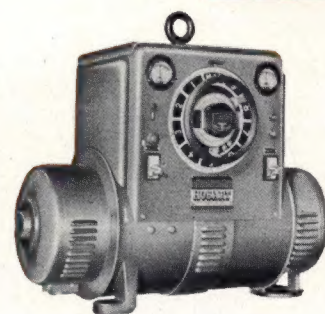
1200 AMPERE ELECTRIC MOTOR DRIVEN ARC WELDER for dual operator welding and to furnish the power requirements of automatic welding. Considerable power is required to operate the motor of the automatic head, the motor of the handling fixtures, and for the welding arc. There are many other applications of heavy duty welding in permanent locations where the Hobart 1200 ampere welder is ideal. Furnishes dual operators with 600 amperes each.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
MR-1200-S	Stationary	75 HP	1750	1200	40	48	70 to 1600	94 1/2"	23 3/8"	37 3/4"	3275
MR-1200-P	Portable	75 HP	1750	1200	40	48	70 to 1600	94 1/2"	23 3/8"	53 3/4"	3400



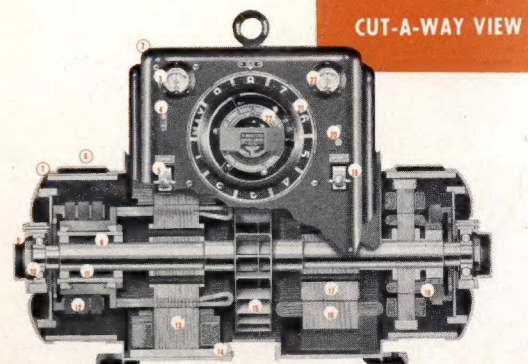
300 AMPERE SYNCHRONOUS MOTOR DRIVEN ARC WELDER for welding in a plant that is not favorably situated with regard to power factor. This welder is an effective means of improving the over-all power factor as well as do a useful welding job at the same time. Starting current is approximately the same as with a conventional induction motor driven welder of the same capacity. It is started across the line and automatically synchronizes itself.

Model Number	Type of Mounting	Motor Rating	Motor Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
				Amp.	Volt	K.W.		L	W	H	
SMR-300-S	Stationary	20 HP	1750	300	40	12	50 to 400	41 1/4"	20 3/4"	33"	1013
SMR-300-P	Portable	20 HP	1750	300	40	12	50 to 400	44"	27"	44"	1118



CUT-A-WAY VIEW OF THE HOBART ELECTRIC DRIVE ARC WELDER showing its compact, modern design. Its all welded steel construction makes possible less bulk, lighter weight—without sacrificing all important copper and electrical steel. Every Hobart welder is so liberally designed and so conservatively rated that purchasers find they have received more than claimed when the welder is put into actual service. Check these features!

1. Sturdy Steel Lifting Eye
2. Steel Turret Top
3. Large Ammeter
4. Convenient Polarity Switch
5. Welding Cable Connector
6. Drip Proof Steel Covers
7. All Arc Welded Steel Frame
8. Heavy Duty Steel Shaft
9. Pressed Steel Bearing Cap
10. Heavy Duty Ball Bearings
11. Large Commutator
12. Heavy Duty Brushes
13. Four-Pole Generator
14. Two Section Frame
15. Heavy Steel Fan
16. Concentric Ground Stator
17. Copper Squirrel Cage Rotor
18. Oversize, 4-Pole Exciter
19. Ground Cable Connector
20. Convenient Start, Stop Buttons
21. Multi-Range Dual Control
22. Remote Control
23. Large Voltmeter



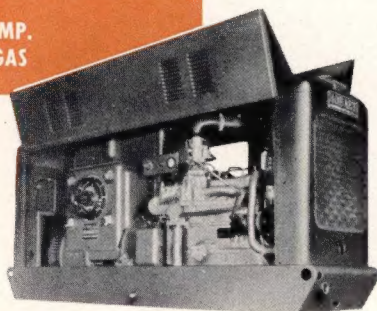
HOBART gas engine drive welders

Hobart Gasoline Engine Drive Arc Welders are the most complete welder units available. Equipment includes Push Button Electric Self-Starting, Battery Type Starting-Lighting-Ignition System, Fly Ball Governor, Idling Device, 1/2 KW Auxiliary Power Outlet, Engine Control Panel with Ignition Lock, Steel Fuel Tank, Ample Capacity Radiator with Steel Shell and Multi-Range Dual Control Generator. They're mounted on Rigid Steel Skids with Lifting Eye and have Steel Canopy with Hinged Steel Side Panels.

200-300-400 AMPERE GASOLINE ENGINE DRIVE ARC WELDERS for speedy, low cost welding in the field when electric power is not available. They give you faster, more perfect welding work on every job, large or small, than you ever thought possible. Operating costs are lower when you use these exceptional Hobart Welders, because of the conservative power plant and the famous Hobart advantages of Remote Control and Multi-Range Dual Control.

200
300
400

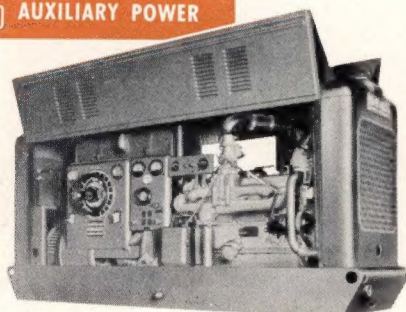
AMP. GAS



Model Number	Generator Rating			Welding Range (Amps.)	Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.								L	W	H	
GR-215-S	200	40	8	40 to 300	Willlys MB	4	134.2	28	18 1/2	4	69"	24"	45 1/2"	1500
GR-315-S	300	40	12	50 to 400	Chrysler	6	236.6	52	22 1/2	5	84"	24"	45 3/4"	1910
					Ind 7-2									
GR-415-S	400	40	16	60 to 600	Chrysler Ind 12-179	8	323.5	72	22 1/2	6	92"	30"	50 7/8"	2470

200
300
400

AMP. GAS WITH 1 K.W. DC AUXILIARY POWER

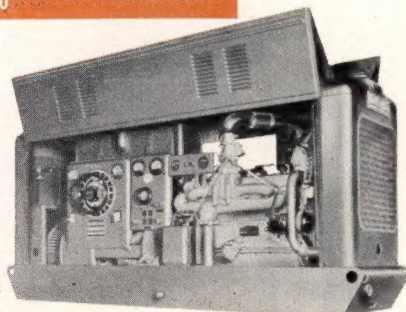


200-300-400 AMPERE GASOLINE ENGINE DRIVE ARC WELDERS WITH 1 KW AUXILIARY D.C. POWER GENERATOR for welding and to furnish lights, and to operate such tools as grinders, drills, chipping hammers, socket wrenches, screw drivers and paint sprayers. In the field where electric power is not available, these units can save time and money for the operator. D.C. Auxiliary Power Generators are available for factory installation only on Hobart Welders.

Model Number	Generator Rating			Welding Range (Amps.)	Aux. Power (D.C.)	Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.									L	W	H	
GR-2151-S	200	40	8	40 to 300	1 KW	Willlys MB	4	134.2	28	18 1/2	4	69"	24"	45 1/2"	1510
GR-3151-S	300	40	12	50 to 400	1 KW	Chrysler	6	236.6	52	22 1/2	5	84"	24"	45 3/4"	1920
						Ind 7-2									
GR-4151-S	400	40	16	60 to 600	1 KW	Chrysler Ind 12-179	8	323.5	72	22 1/2	6	92"	30"	50 7/8"	2490

300
400

AMP. GAS WITH 3 K.W. DC AUXILIARY POWER

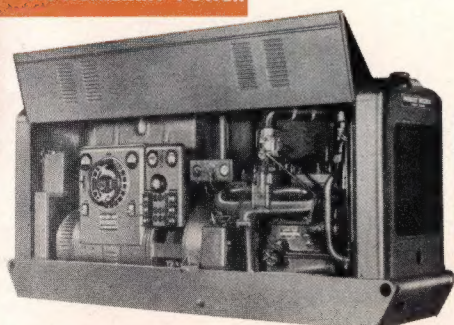


200-300-400 AMPERE GASOLINE ENGINE DRIVE ARC WELDERS WITH 3 KW AUXILIARY D.C. POWER GENERATOR for jobs in the field where additional auxiliary power capacity is required to operate more lights and more tools of greater power. Your over-all power requirements should determine the amount of auxiliary power you need for your work. D.C. Auxiliary Power Generators of 3 KW capacity are available for factory installation on Hobart Welders.

Model Number	Generator Rating			Welding Range (Amps.)	Aux. Power (D.C.)	Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.									L	W	H	
GR-3153-S	300	40	12	50 to 400	3 KW	Chrysler	6	236.6	52	22 1/2	5	84"	24"	45 3/4"	2100
						Ind 7-2									
GR-4153-S	400	40	16	60 to 600	3 KW	Chrysler Ind 12-179	8	323.5	72	22 1/2	6	92"	30"	50 7/8"	2560

300

AMP. GAS WITH 6 OR 12 K.W. AC AUXILIARY POWER



300 AMPERE GASOLINE ENGINE DRIVE ARC WELDER WITH 6 or 12 KW AUXILIARY A.C. POWER GENERATOR for welding and heavy duty auxiliary power requirements in the field where electric power is not available. Furnishes plenty of power for contractors, construction workers, welding contractors, and anyone else doing work where electric power is not available. Used to operate electric hoists, elevators, pumps, lights, drills, and many other electric motor driven machines.

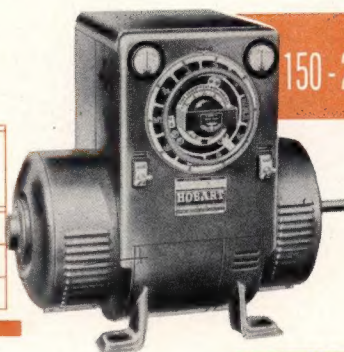
Model Number	Generator Rating			Welding Range (Amps.)	Aux. Power (A.C.)	Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.									L	W	H	
GR-3156-S	300	40	12	50 to 400	6 KW	Chrysler	6	236.6	52	22 1/2	5	93 1/2"	24"	45 3/4"	2345
						Ind 7-2									
GR-3152-S	300	40	12	50 to 400	12 KW	Chrysler Ind 7-2	6	236.6	52	22 1/2	5	93 1/2"	24"	45 3/4"	2435

One of the widest applications of the Hobart generator only is on a portable outfit for job welding service. If you cannot justify an investment in a complete, factory-built portable welding outfit, you can still have one of which you will be proud by simply connecting a Hobart generator only to a good used auto engine. Many customers who have "built their own" show savings of \$300 to \$500 and even more as compared with the cost of complete, factory-built portable gasoline driven outfits.

HOBART "build-your-own" generators

150-200-300 AMPERE ARC WELDING GENERATOR ONLY for "Building-Your-Own" Gasoline Engine Drive Arc Welder. With this outfit you can have all the advantages of Hobart Multi-Range Welder performance while making use of your own power unit. Complete in every way, except for motor, it can be operated either by direct coupling or by means of V-belts and grooved pulley. Flexible coupling available at slight additional cost.

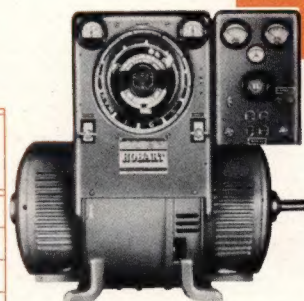
Model Number	Power Required		Speed RPM	Generator Rating			Welding Range (Amps.)	Overall Dimensions			Net Wt. Lbs.
	Elec.	Gas		Amp.	Volt	K.W.		L	W	H	
WR-150-S	7½	15	1500	150	30	4.5	15 to 200	31¾"	16⅞"	25⅞"	420
WR-200-S	15	30	1500	200	40	8	40 to 300	33⅛"	19"	28⅞"	510
WR-300-S	20	50	1500	300	40	12	50 to 400	35⅝"	20¼"	29⅞"	650



150-200-300 AMP. GEN.

200-300 AMPERE ARC WELDING GENERATOR ONLY WITH 1 or 3 KW AUXILIARY D.C. POWER GENERATOR for "Building-Your-Own" Gasoline Engine Drive Arc Welder. With this outfit you have in addition to the welder, an auxiliary generator to furnish power for lights and to operate portable electric tools. Complete in every way, except for motor, it can be operated either by direct coupling or by means of V-belts and grooved pulley.

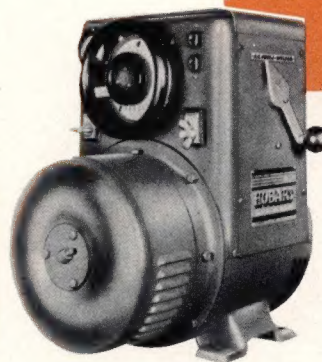
Model Number	Power Required		Speed RPM	Generator Rating			Welding Range (Amps.)	Aux. Power (D.C.)	Overall Dimensions			Net Wt. Lbs.
	Elec.	Gas		Amp.	Volt	K.W.			L	W	H	
WR-2001-S	15	30	1500	200	40	8	40 to 300	1 KW	33⅛"	19"	28⅞"	520
WR-2003-S	15	30	1500	200	40	8	40 to 300	3 KW	33⅛"	19"	28⅞"	600
WR-3001-S	20	50	1500	300	40	12	50 to 400	1 KW	35⅝"	20¼"	29⅞"	660
WR-3003-S	20	50	1500	300	40	12	50 to 400	3 KW	35⅝"	20¼"	29⅞"	740



200-300 AMP. GEN. WITH 1 AND 3 K.W. AUXILIARY POWER

200-300 AMPERE COMBINATION A.C. ARC WELDER AND A.C. POWER UNIT (Generator Only) for "Building-Your-Own" alternating current arc welder and alternating current power unit. It lets you operate where no power lines are available, or it can furnish you emergency electric lights and power service in case of normal power supply failure. By flipping a simple switch you change it from a welder to a power unit and vice versa.

Model Number	Power Required		Speed RPM	Generator Rating			Welding Range (Amps.)	Power Rating 110 V.	Overall Dimensions			Net Wt. Lbs.
	Elec.	Gas		Amp.	Volt	K.W.			L	W	H	
WA-2005-S	15	30	1800	200	40	8	40 to 250	5 KW	22"	16½"	22¼"	365
WA-3008-S	20	50	1800	300	40	12	60 to 375	8 KW	27"	19"	30"	515



200-300 AMP. AC-AC

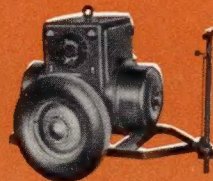
PORTABLE MOUNTINGS for transporting the Hobart Gasoline Engine Drive Arc Welders to the job. Spring mounting and balloon tires protect the outfit from bumps and vibration when towing it at road speed behind your car or truck. Equipped with sturdy tow bar and special stabilizer, it trails easily without excessive bounce, side sway or "Shimmie." Available with two or four wheels as illustrated. Steel wheels may be used for less rapid moving.



No. 339—4 Wheel Portable Mounting for 400 amp. and larger.



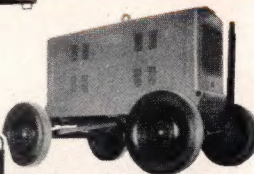
No. 292—Shop Type Trailer, Steel Wheels.



No. 423—Two Wheel Portable Mounting.



No. 421—Two Wheel Road Trailer for 200 and 300 amp. welders.



No. 338—4 Wheel Trailer for 200 and 300 amp. models.



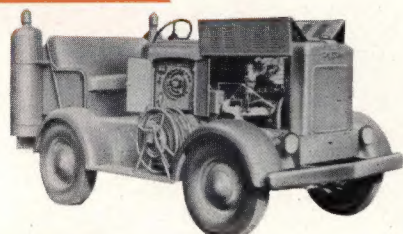
No. 293—Yard Type Mounting, Steel Wheels.

PORTABLE MOUNTINGS

HOBART engine drive special welders

Hobart engineers have originated and developed many unique types of mountings and accessories to simplify special arc welding operations for railways, mines, mills, factories, contractors, etc. A few of these are described briefly on this page and one of them may be just what you have been looking for. If none of these specials meets your requirements, perhaps your problem can be solved in some other way. Let Hobart Engineers have a try at solving your problem for you.

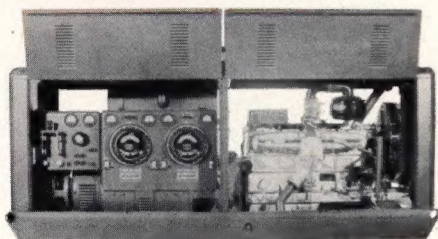
300 AMP. WELDMOBILE



300 AMPERE "WELDMOBILE" A SELF-PROPELLED ARC WELDER for maintenance and repair work around large factories, refineries, steel mills, quarries, railroad yards, and other industrial establishments. This mobile welding unit goes where you want it, when you want it, without tying up a truck or other towing vehicle. One engine furnishes power for both welding and transportation. Has special carriers for oxy-acetylene tanks.

Model Number	Generator Rating			Welding Range (Amps.)	Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.								L	W	H	
GR-300-M	300	40	12	50 to 400	Chrysler Ind 7-2	6	236.6	52	22 1/2	5	145 3/4"	70"	56 1/4"	4000

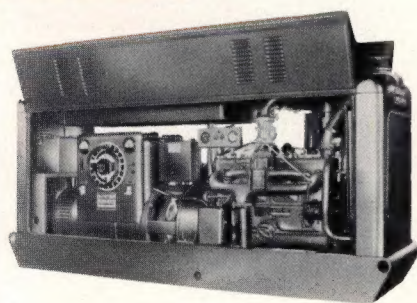
600 AMP. DUAL OPERATOR



600 AMPERE GASOLINE ENGINE DRIVE DUAL OPERATOR ARC WELDER for economical welding on large welding operations in the field. Two 300 ampere welding generators are placed on a common shaft, and supplied with separate excitation from a common exciter to develop this 2 operator gasoline engine driven arc welder. Available only in one size. Paralleling switch turns it into a single operator 600 ampere welding unit.

Model Number	Generator Rating			Welding Rating (Amps.)		Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.	1 Unit	2 Units							L	W	H	
DGR-615-S	600	40	24	50 to 400	50 to 800	Chrysler Ind 12-179	8	323.5	72	22 1/2	8 1/2	107"	30"	50 1/4"	2930

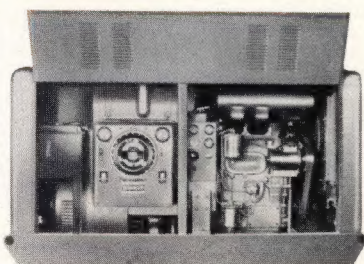
300 400 AMP. CONVERTIBLE GAS & ELECTRIC



300-400 AMPERE CONVERTIBLE GASOLINE ENGINE DRIVE AND ELECTRIC MOTOR DRIVE ARC WELDERS for operating electrically in the shop and by gasoline engine in the field where electric power is not available. A standard electric drive welder, with shaft extension, is connected to the gasoline engine through a free-wheeling coupling. It is unnecessary to move any levers or pins when changing from electric to gasoline drive. It's entirely automatic.

Model Number	Generator Rating			Welding Range (Amps.)	Elec. Motor Rating	Elec. Motor Speed	Engine	No. of Cyls.	Pist. Disp.	BHP 1750 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.										L	W	H	
MGR-315-S	300	40	12	50 to 400	20 HP	1750	Chrysler Ind 7-2	6	236.6	60	22 1/2	5	93 1/2"	24"	45 3/4"	2395
MGR-415-S	400	40	16	60 to 600	25 HP	1750	Chrysler Ind 12-179	8	323.5	90	22 1/2	6	98"	30"	51"	2725

300-400 AMP. DIESEL



300-400 AMPERE DIESEL ENGINE DRIVE ARC WELDERS for large welding operations extremely remote from the fuel supply base—or in localities where gasoline is not readily available. It operates for considerably greater length of time on a given quantity of fuel than does the gasoline engine. Diesel fuel is also generally less costly than gasoline. In many sections of the U.S., as well as in many countries abroad, these advantages are very important.

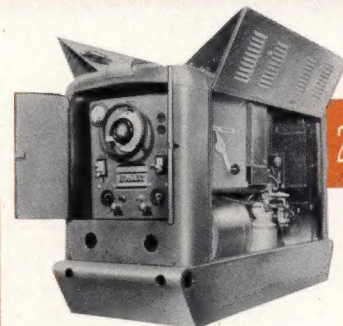
Model Number	Generator Rating			Welding Range (Amps.)	Diesel Engine	No. of Cyls.	Pist. Disp.	BHP 1500 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.								L	W	H	
DR-315-S	300	40	12	50 to 400	GM-2-71 P2	2	141.8	47	18 1/2	5	80"	30"	51"	3200
DR-415-S	400	40	16	60 to 500	GM-2-71 P2	2	141.8	56	18 1/2	5	80"	30"	51"	3500

Hobart A-C Arc Welders are designed for faster, easier welding at lower costs. Look in on the modern progressive welding shop . . . the welding departments of industrial plants and metal fabricators . . . or on metal fabricating jobs in the field . . . you'll find that Hobart A-C welders are rapidly being adopted by those who know. Easy to operate—efficient—they start faster, hold an arc easier, produce good welds in less time.

HOBART ac arc welder and ac power generator

200-300 AMPERE GASOLINE ENGINE DRIVE COMBINATION A-C ARC WELDER AND A-C POWER UNIT for arc welding, or for emergency power in case of normal power failure, or as a power source for flood lights and electric tools where no other electric power is available. By throwing the switch to "Welder" you get a high capacity A-C arc welder that makes you independent of power lines. By throwing the switch to "A-C Power" you convert it to a gas drive power unit.

Model Number	Generator Rating			Welding Range (Amps.)	Power Rating 110V 1P	Engine	No. of Cyls.	Pist. Disp.	BHP 1800 RPM	Fuel Cap. Gal.	Radi. Cap. Gal.	Overall Dimensions			Net Wt. Lbs.
	Amp.	Volt	K.W.									L	W	H	
GA-200S-S	200	40	8	40 to 250	5 KW	Willis MB	4	134.2	32.5	5	2 1/2	55"	22"	38 1/2"	1040
GA-300S-S	300	40	12	60 to 375	8 KW	Chrysler Ind 7-2	6	236.6	62	18 1/2	5	69"	24"	41"	1950



200-300 AMP. GAS

Hobart A-C Welder

180-200 AMPERE A-C TRANSFORMER ARC WELDERS for shops that have only single phase power supply available, and where the expense of power changeover would be prohibitive. A wide welding range is made possible by an improved and exclusive control method that provides thirty steps of current adjustment. Also available with capacitors for operation on REA power lines with 3 KVA transformers. Ideal for job shop and maintenance operations.

Model Number	Rated Output			Welding Range (Amps.)	No Load Volt.	Amperes Input at Rated Load		Amperes No Load Input		Watts No Load Input	Capacitor KVA	Dimensions			Net Wt. Lbs.
	Amp.	Volt	Duty Cycle			440V	220V	440V	220V			H	W	D	
TRP-180-C	180	25	20%	20 to 180	65	—	35	—	11	130	2.5	32"	18"	14 1/2"	225
TRP-205-C	200	30	50%	25 to 300	75	24	48	9	18	240	5	32"	18"	14 1/2"	315



180-200 AMP. AC TRANSFORMER

300-500 AMPERE INDUSTRIAL TRANSFORMER TYPE A-C ARC WELDER for manual or automatic welding operations in large welding shops and welding departments of large industrial plants. Exclusive advantages are an unusually large illuminated current indicating scale of translucent plastic, gravity-compensating coil action, easy turning adjustment screw, easy striking of the arc, highly efficient operation, power factor correction and rugged, long life construction.

Model Number	Rated Output			Welding Range (Amps.)	No Load Volt.	Amperes Input at Rated Load		Amperes No Load Input		Watts No Load Input	Capacitor KVA	Dimensions			Net Wt. Lbs.
	Amp.	Volt	Duty Cycle			440V	220V	440V	220V			H	W	L	
TIP-300-S	300	40	60%	60 to 375	75	36.5	73	22.5	45	500	10	45"	24"	24"	500
TIP-300-P	300	40	60%	60 to 375	75	36.5	73	22.5	45	500	10	50 1/2"	27"	45"	615
TIP-500-S	500	40	60%	100 to 625	75	63	125	32	64	1000	15	49"	24"	24"	635
TIP-500-P	500	40	60%	100 to 625	75	63	125	32	64	1000	15	54 1/2"	27"	45"	745



300-500 AMP. AC TRANSFORMER



300-500 AMPERE INERT-GAS-SHIELDED ARC WELDER for use with "Heliarc" as supplied by Linde Air Products, using helium or argon gas. It is being used for welding magnesium alloys, aluminum, stainless steel, high carbon and other alloy steel, brass and other hard-to-weld metals. Automatic—a pressing of the foot pedal starts the arc through the tungsten electrode, and opens the valves, permitting the gas and water to flow through the special torch.

Model Number	Rated Output			Welding Range (Amps.)	No Load Volt.	Amperes Input at Rated Load		Amperes No Load Input		Watts No Load Input	Capacitor KVA	Dimensions			Net Wt. Lbs.
	Amp.	Volt	Duty Cycle			440V	220V	440V	220V			H	W	L	
TIH-300-S	300	40	60%	60 to 375	75	36.5	73	22.5	45	500	10	45"	24"	30 1/2"	530
TIH-300-P	300	40	60%	60 to 375	75	36.5	73	22.5	45	500	10	50 1/2"	32"	45"	645
TIH-500-S	500	40	60%	100 to 625	75	63	125	32	64	1000	15	49"	24"	30 1/2"	665
TIH-500-P	500	40	60%	100 to 625	75	63	125	32	64	1000	15	54 1/2"	32"	45"	775

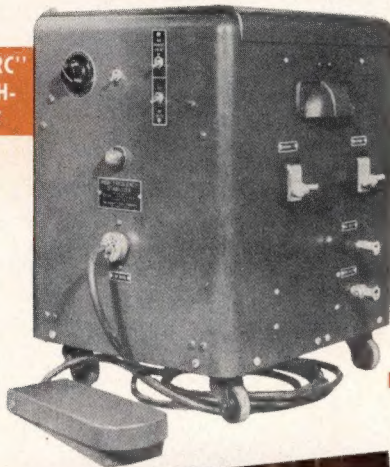


300-500 AMP. AC "HELIARC"

HOBART high frequency stabilizers

Insures better results from A-C welding with Inert-Gas-Shielded Tungsten Electrode, as used in the "Heliarc" Process, either A-C or D-C; in Sheet Metal Work and other applications involving low currents; in Vertical and Overhead positions and with the Twin Carbon Arc Torch.

"HELIARC" ATTACHMENT

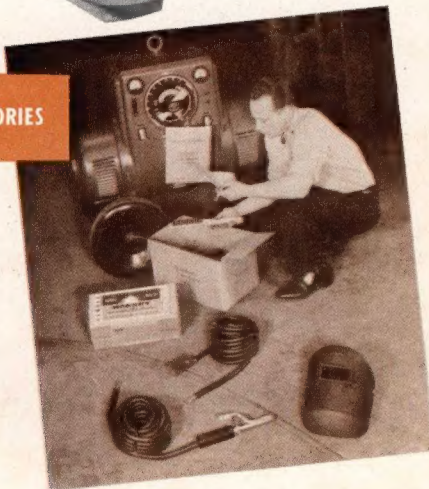


The Hobart "Heliarc" Attachment Model 653 is designed for use with any standard A-C Transformer Type Welder of 500 amperes or less. Where such transformer welders are available, and where the use of inert-gas-shielded welding is too limited to justify investment in the complete Hobart T1H model, this attachment provides the essential high frequency stabilization, with added convenience control features to greatly simplify inert-gas-shielded welding. This High Frequency Stabilizer is also available (without magnetic contactor and magnetic valves for turning the gas and water on and off) in 300 and 500 ampere models.

Special equipment is also available for "Heliarc" welding with the exclusively Hobart A-C rotating type welding and power generator, this being the only type of equipment now available for welding with A-C where no power is available.

Model Number	Rated Current	Duty Cycle	Input Volts	Dimensions			Wt.
				H	W	L	
659	300	60	220	21	17½	11½	70
660	500	60	220	21	17½	11½	75
653	500	60	220	21	19	18½	125

ACCESSORIES



Standard Group Welding Accessories

- No. 212 for 150 Amp.
- No. 212 for 200 Amp.
- No. 325 for 300 Amp. D.C. or A.C.
- No. 326 for 400 Amp. D.C. or 500 Amp. A.C.
- No. 327 for 600 Amp.
- No. 411 for 200 Amp. A.C.

WELDING CABLE: High grade, rubber covered cable of correct size to suit the machine for which it is recommended. Core is made up of a very large number of fine copper wires, making it exceptionally flexible and easy for the operator to handle. Will last much longer than the cheap cable sometimes offered at so-called "bargain" prices. Size and length shown below.

GROUND CABLE: The same high grade, flexible cable as described above. Experience has shown it is as poor economy to use inferior cable for the ground connection as for the welding connection. Size and length shown below.

ELECTRODE HOLDER: Special Hobart design, exceptionally light in weight and cool to handle. Well balanced. Current carrying main jaw is copper and gripping jaw is brass, both cadmium plated. No. 333 (for heavier currents) has special alloy inserts in both jaws. See below for type with each accessory group. Holder comes attached to one end of welding cable, with copper lug on other end for connecting to machine.

GROUND PLATE: Steel plate of convenient size, as illustrated, for convenience in clamping to welding bench or work. Bolted to copper lug on end of ground cable. Copper lug on other end of cable for connecting to machine.

HEAD SHIELD WITH GLASS: Hobart's popular seamless type head shield of special fibre, with adjustable head band and chin rest. Comfortable and convenient, while offering ample protection. Complete with arc proof glass and clear cover glass.

WIRE CLEANING BRUSH: Wood back brush with stiff wire bristles for cleaning work metal and weld deposit.

WELDING ELECTRODES: Liberal sample of various type Hobart Electrodes, shown in pictures, comes with the Hobart Welder whether or not you purchase the Standard Group Welding Accessories.

OPERATING INSTRUCTIONS: Complete instructions (shown in pictures attached to front panel) come also with every Hobart Welder whether or not you purchase the Standard Group Welding Accessories.

Catalog Number	Recommended for Use With		Rotating Type DC or Transformer Type AC	Welding Cable		Ground Cable		Electrode Holder Hobart Catalog No.	Ground Plate, Bolt, Nut, Washer (Factory No.)	Head Shield With Glass Hobart Cat. No.	Wire Cleaning Brush Hobart Cat. No.
	American Rating (Amps)	European Rating (Amps)		Size*	Length	Size*	Length				
212	150	15/200	DC	#2	30 ft.	#2	30 ft.	332	CW-17	461	267
212	200	40/300	DC	#2	30 ft.	#2	30 ft.	332	CW-17	461	267
325	300	50/400	DC	#1/0	30 ft.	#1/0	30 ft.	333	CW-17	461	267
326	400	60/600	DC	#2/0	30 ft.	#2/0	30 ft.	333	CW-17	461	267
327	600	70/800	DC	#3/0	30 ft.	#3/0	30 ft.	451	CW-17	461	267
411	180	20/180	AC	#2	30 ft.	#2	30 ft.	332	CW-17	461	267
411	200	20/200	AC	#2	30 ft.	#2	30 ft.	332	CW-17	461	267
325	300	50/400	AC	#1/0	30 ft.	#1/0	30 ft.	333	CW-17	461	267
326	500	60/600	AC	#2/0	30 ft.	#2/0	30 ft.	333	CW-17	461	267

*NOTE: Cable sizes are suitable for the indicated welding capacities, with the indicated 30 ft. cable lengths (Complete welding circuit 60 ft.). If longer cables are to be used, it may be found advisable to order cables of larger size. Recommendations as to size for various lengths will be given on request.



HOBART

BROTHERS COMPANY, BOX EW-136, TROY, OHIO

"One of the World's Largest Builders of Arc Welders."